

## Special Issue

# State-of-Health Estimation of Batteries

### Message from the Guest Editors

State-of-health (SOH) estimation of batteries remains a challenging goal. The typical behavior of lithium-ion batteries changes when the anode is doped with a high amount of silicon, highly affecting the accuracy of the estimation. There are novel chemistries worked on or being launched to the market, such as lithium-sulfur or sodium-ion batteries. Concepts of cloud battery management systems open new possibilities, especially in the trending area of machine learning and artificial intelligence. There are new and more demanding applications in the area of aerospace and second-life use. Moreover, 'smart' cells or packs are being proposed enhanced with additional sensors to provide extra information. These and more are making the topic of SOH estimation interesting and in high demand. Thus, we would like to encourage you to submit your contributions on the following SOH estimation topics covering:

- Modern lithium-ion batteries;
- Lithium-sulfur batteries;
- Sodium-ion batteries;
- Machine learning;
- Artificial intelligence;
- .....

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### Guest Editors

Dr. Vaclav Knap

Prof. Dr. Daniel Auger

Dr. Abbas Fotouhi

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### Deadline for manuscript submissions

31 August 2025



## Batteries

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*Batteries*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[batteries@mdpi.com](mailto:batteries@mdpi.com)

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### Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Karim Zaghib

Department of Chemical and Materials Engineering, Concordia  
University, Montréal, QC H3G 1M8, Canada

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